

Title (en)

HYBRID POWER SYSTEM AND CONTROL METHOD

Title (de)

HYBRIDLEISTUNGSSYSTEM UND STEUERUNGSVERFAHREN

Title (fr)

SYSTÈME D'ALIMENTATION ET PROCÉDÉ DE COMMANDE HYBRIDE

Publication

EP 3791467 A4 20220126 (EN)

Application

EP 19799731 A 20190509

Priority

- US 201862669047 P 20180509
- IB 2019053832 W 20190509

Abstract (en)

[origin: WO2019215665A1] A novel hybrid power system and control method. The system and method controls the operation of each of a prime mover, such as an internal combustion engine, and an electrical generator and rectifier to provide necessary power to a variable electrical load. The system and method operate to meet the demands of the variable electrical load while operating to keep the prime mover at, or near, a specified operating speed.

IPC 8 full level

H02P 9/04 (2006.01); **B60L 50/12** (2019.01); **B60W 20/00** (2016.01); **B64D 27/24** (2006.01); **H02J 1/00** (2006.01); **H02J 15/00** (2006.01); **H02K 7/18** (2006.01); **H02K 29/00** (2006.01); **H02M 7/219** (2006.01)

CPC (source: EP US)

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Citation (search report)

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- [A] US 2008238108 A1 20081002 - EDELSON JONATHAN SIDNEY [US], et al
- [A] US 7330016 B2 20080212 - COLLEY BRUCE H [US]
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- [A] XIE YE ET AL: "Modelling and control of a hybrid electric propulsion system for unmanned aerial vehicles", 2018 IEEE AEROSPACE CONFERENCE, IEEE, 3 March 2018 (2018-03-03), pages 1 - 13, XP033365201, DOI: 10.1109/AERO.2018.8396436
- See references of WO 2019215665A1

Designated contracting state (EPC)

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WO 2019215665 A1 20191114; CA 3099125 A1 20191114; EP 3791467 A1 20210317; EP 3791467 A4 20220126; US 2021242708 A1 20210805

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